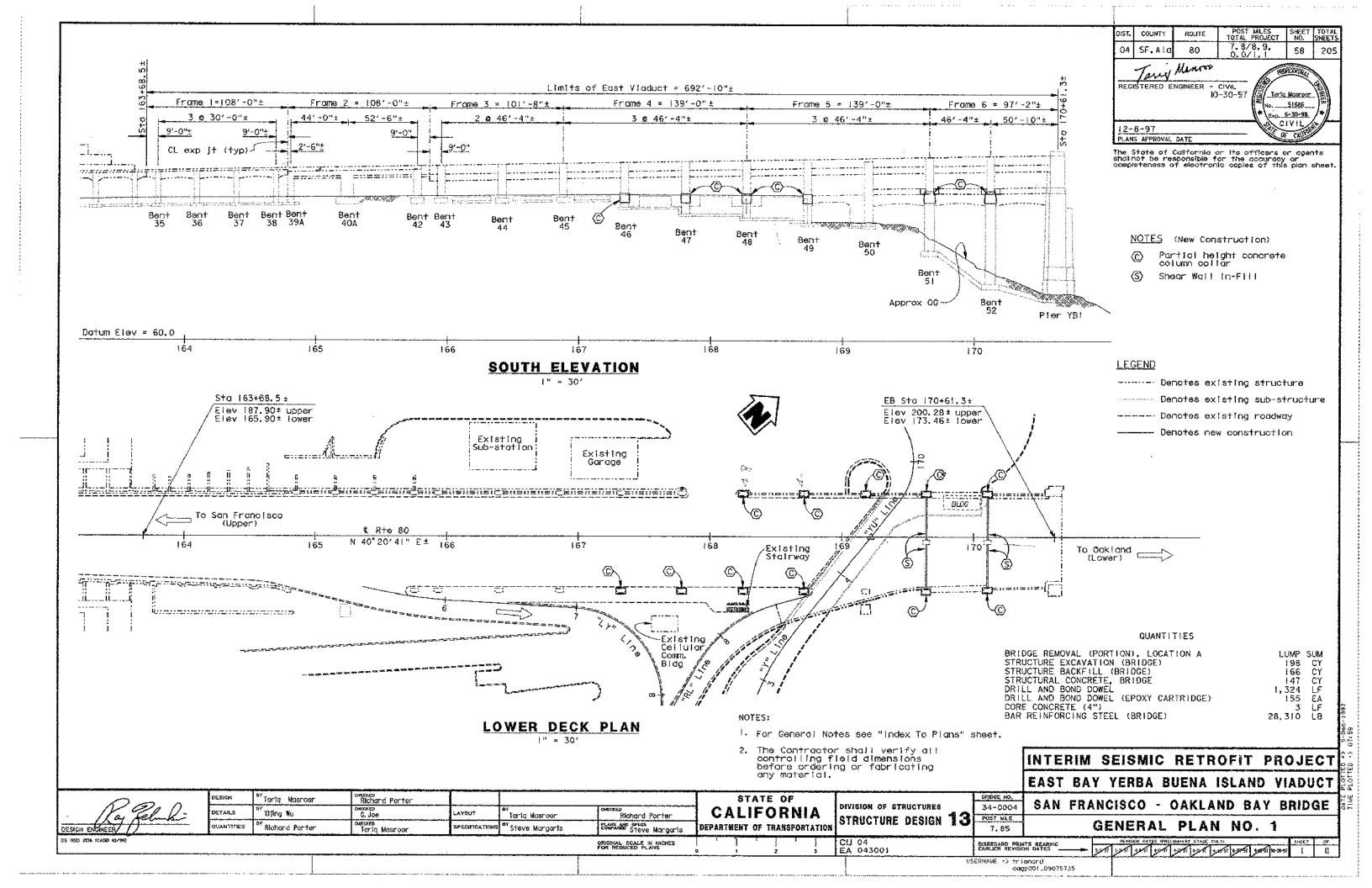
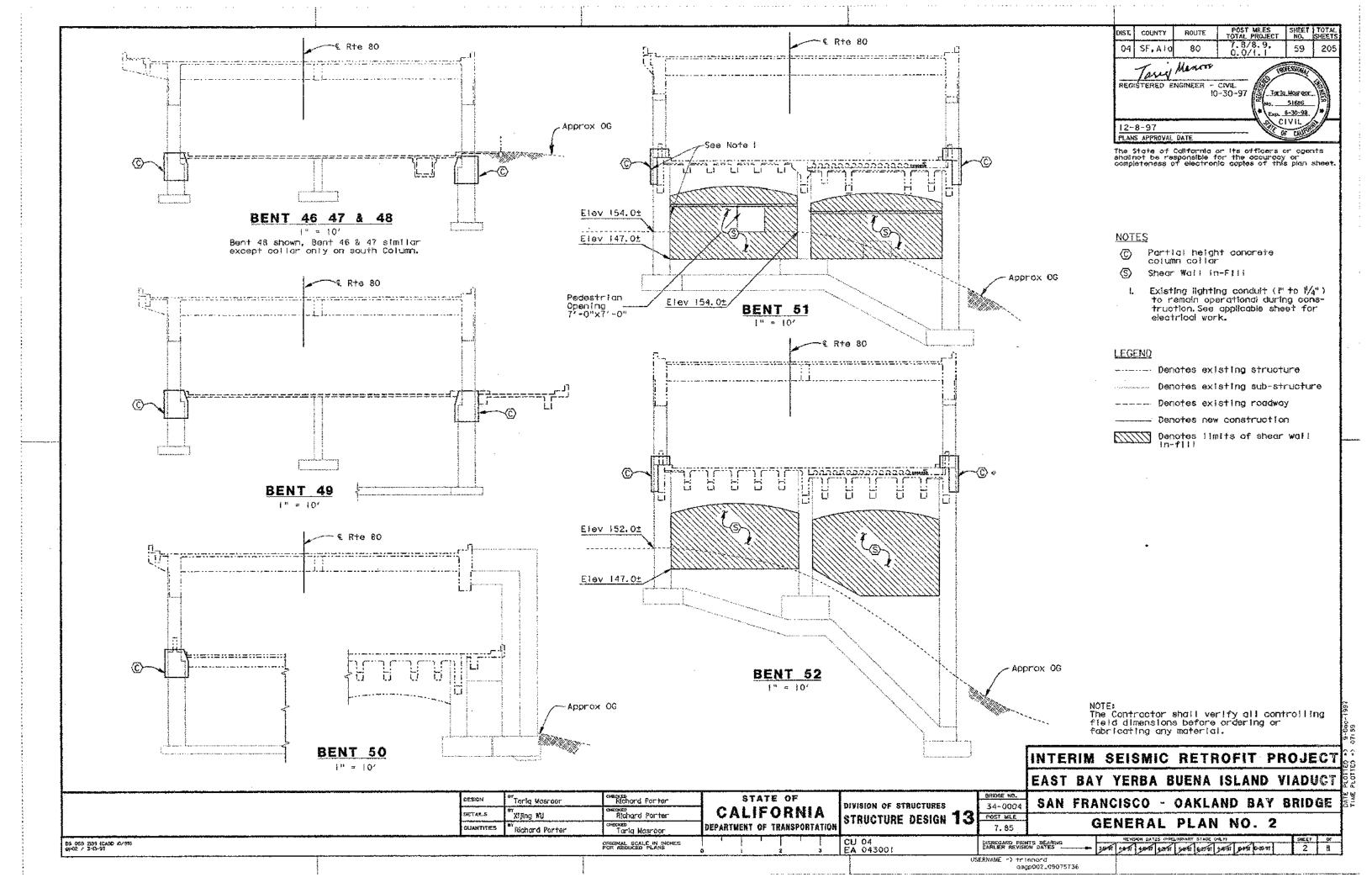
Interim Seismic Retrofit-East Bay Yerba Buena Island Viaduct (Contract No. 04-043004)

The as-built drawings, which are contained in these CDs, are scanned from drawings of the existing structure for the convenience of the contractor and as a means to convey to the contractor the available information regarding the existing structure. It is to be understood that no claim is being made as to the accuracy or completeness of the said information and that the State of California or its officers or agents shall not be responsible for the manner in which the contractor interprets and uses this information or for the accuracy, currency or completeness of these scanned as-built drawings. The contractor shall be responsible to obtain, at the contractor's expense, any additional information that the contractor deems necessary for completely and accurately assessing the existing conditions of the structure. The contractor shall not be entitled to any compensation for any claim arising from inaccuracy or insufficiency of these as-built drawings or in anyway related to these drawings.

- 58. General Plan No. 1
- 59. General Plan No. 2
- 60. Index to Plans
- 61. Removal & Replacement Bents 46RT-49RT
- 62. Removal & Replacement Bents 48LT-50LT
- 63. Removal Bent 51 & 52
- 64. Bents 46, 47, 48 & 50
- 65. Bent 49
- 66. Bent 51
- 67. Bent 52
- 68. Bent 51-52 Details





DIST. COUNTY ROUTE 04 SF. Ala 80 60 Tarry Menos REGISTERED ENGINEER - CIVIL Taria Moercoor 🕌 10-30-97 ю, <u>51686</u> Exp. 6-30-98 12-8-97 PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

INDEX TO PLANS

SHEET NO.

GENERAL PLAN NO. 1

TITLE

- 2. GENERAL PLAN NO. 2
- 3. INDEX TO PLANS
- REMOVAL AND REPLACEMENT BENTS 46RT-49RT
- REMOVAL AND REPLACEMENT BENT 48LT-50LT
- REMOVAL AND REPLACEMENT BENT 51 & 52
- BENTS 46, 47, 48 & 50
- BENT 49
- BENT 51 9.
- 10. BENT 52
- 11. BENT 51 52 DETAILS

GENERAL NOTES

DESIGN:

BRIDGE DESIGN SPECIFICATIONS

- 1983 AASHTO with Interims and Revisions by CALTRANS.

REINFORCED CONCRETE:

> EXISTING (ASSUMED FOR RETROFIT EVALUATION)

 $f_V = 33,000 \text{ psl}$ (GRADE 33)

 $f_V = 44,000 \text{ psi}$

(GRADE 40)

 $f_c' = 5,000 \text{ psi}$

NEW CONSTRUCTION

 $f_y = 60,000 \text{ psl}$

 $f_0' = 4,000 \text{ psi}$

STRUCTURAL

STATE OF

CALIFORNIA

DEPARTMENT OF TRANSPORTATION

Richard Porter

Richard Porter

ORIGINAL SCALE IN INCHES

Torig Masroor

Tariq Masroor

Richard Porter

XIIIng WU

DETAILS

STEEL:

 $f_{v} = 36,000 \text{ psi} \text{ (ASTM A36)}$

Unless otherwise noted.

STANDARD PLAN DATED: JULY 1992

A I OA ABBREVIATIONS A I OB SYMBOLS___ BRIDGE DETAILS

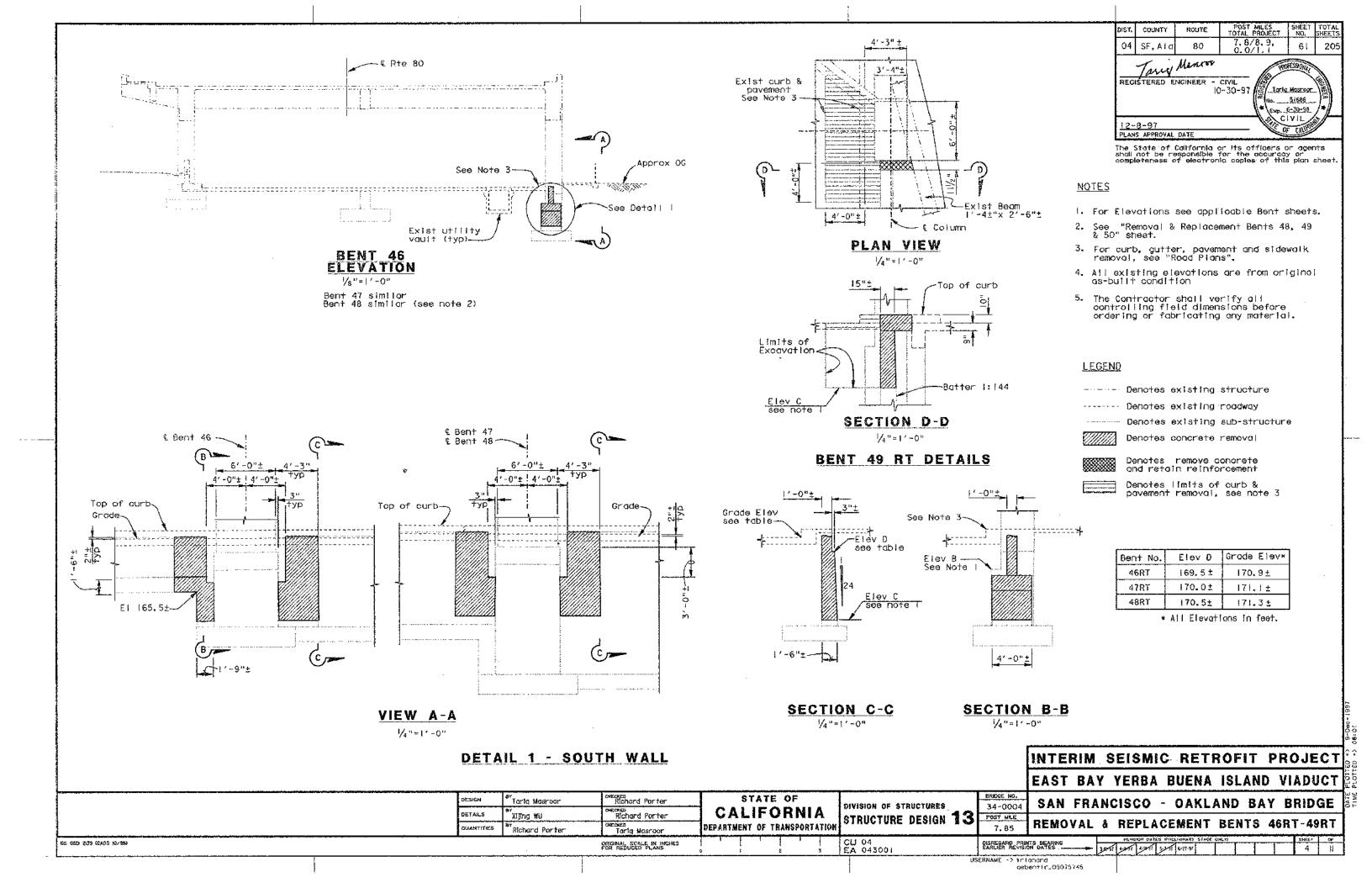
> INTERIM SEISMIC RETROFIT PROJECT EAST BAY YERBA BUENA ISLAND VIADUCT SAN FRANCISCO - OAKLAND BAY BRIDGE 34-0004 STRUCTURE DESIGN 13 FOST HEE INDEX TO PLANS 3 B DISREGARD PRINTS BEARING EARLIER REVISION DATES

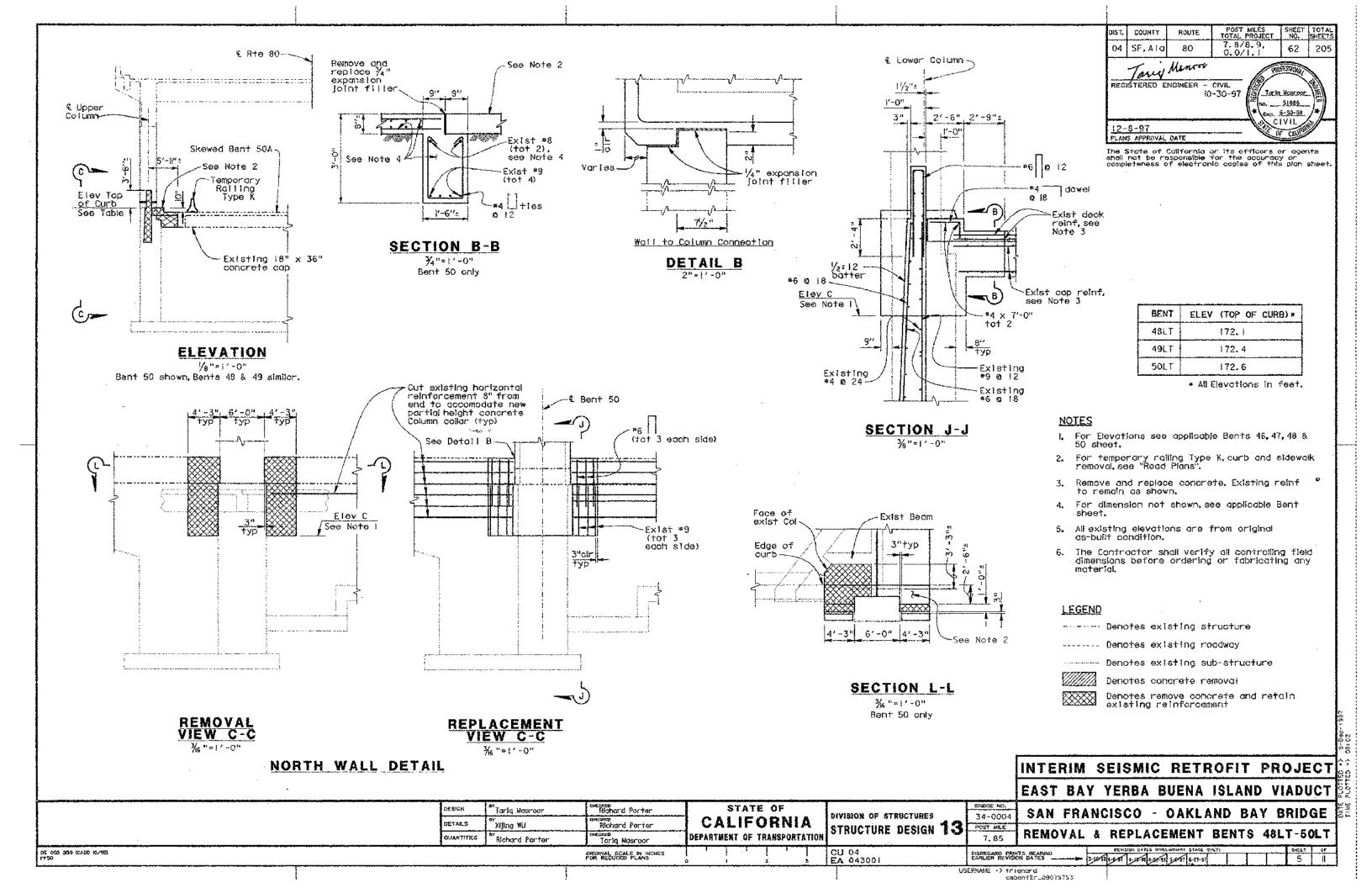
CU 04 EA 043001 USERNAME => trienerd doi:p001_09075743

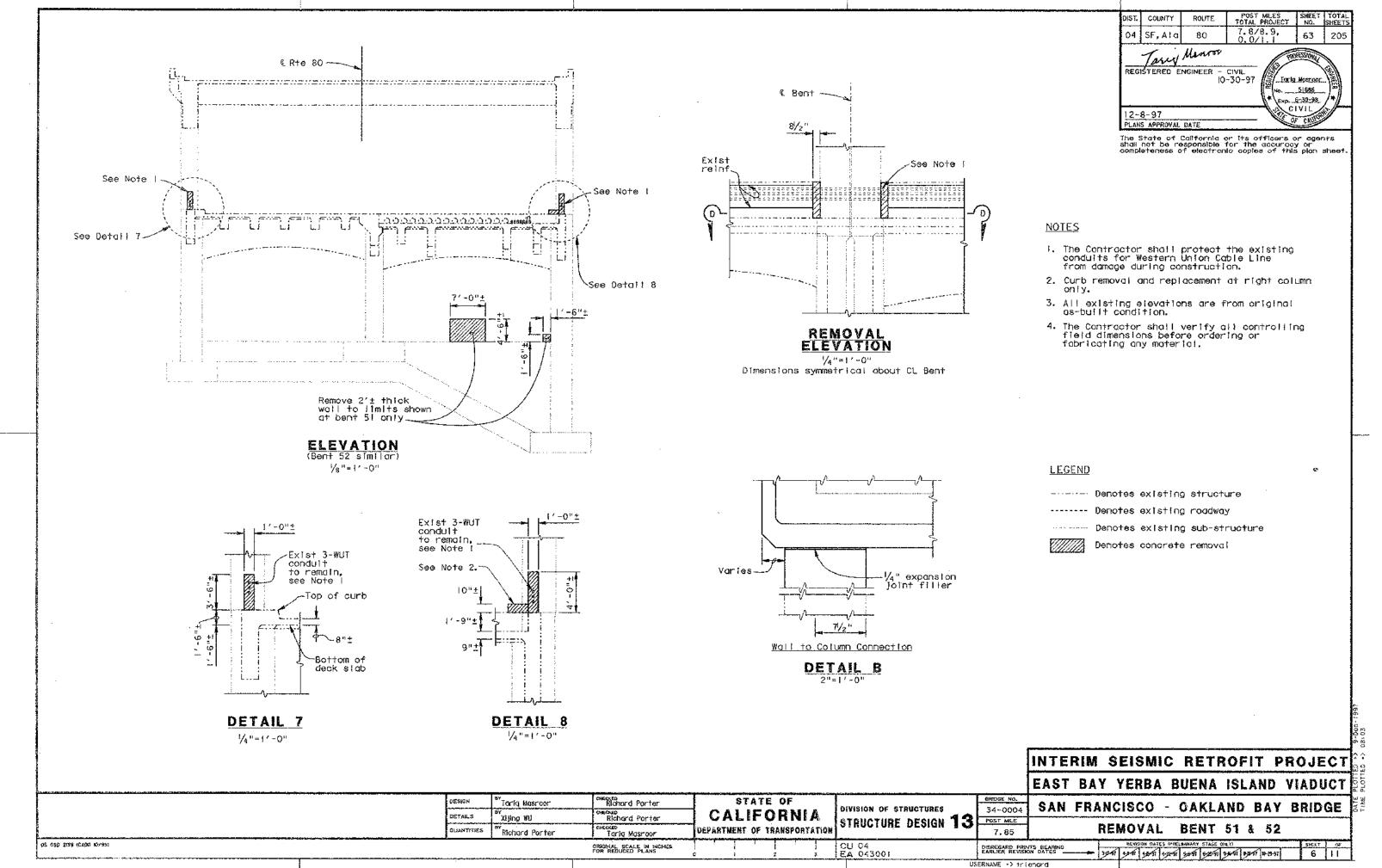
DIVISION OF STRUCTURES

DS 050 2779 (CADO 10/95)

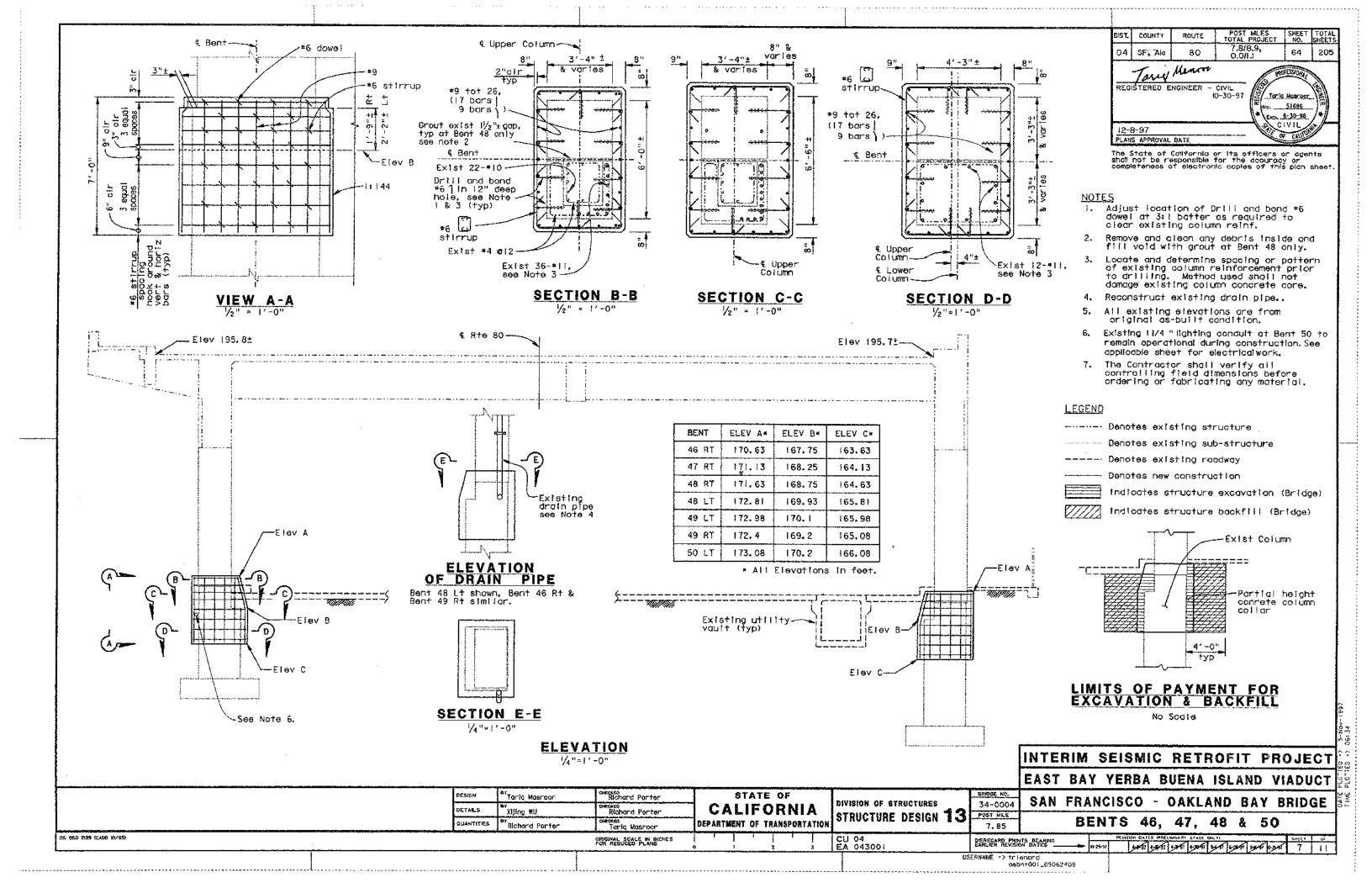
7.85

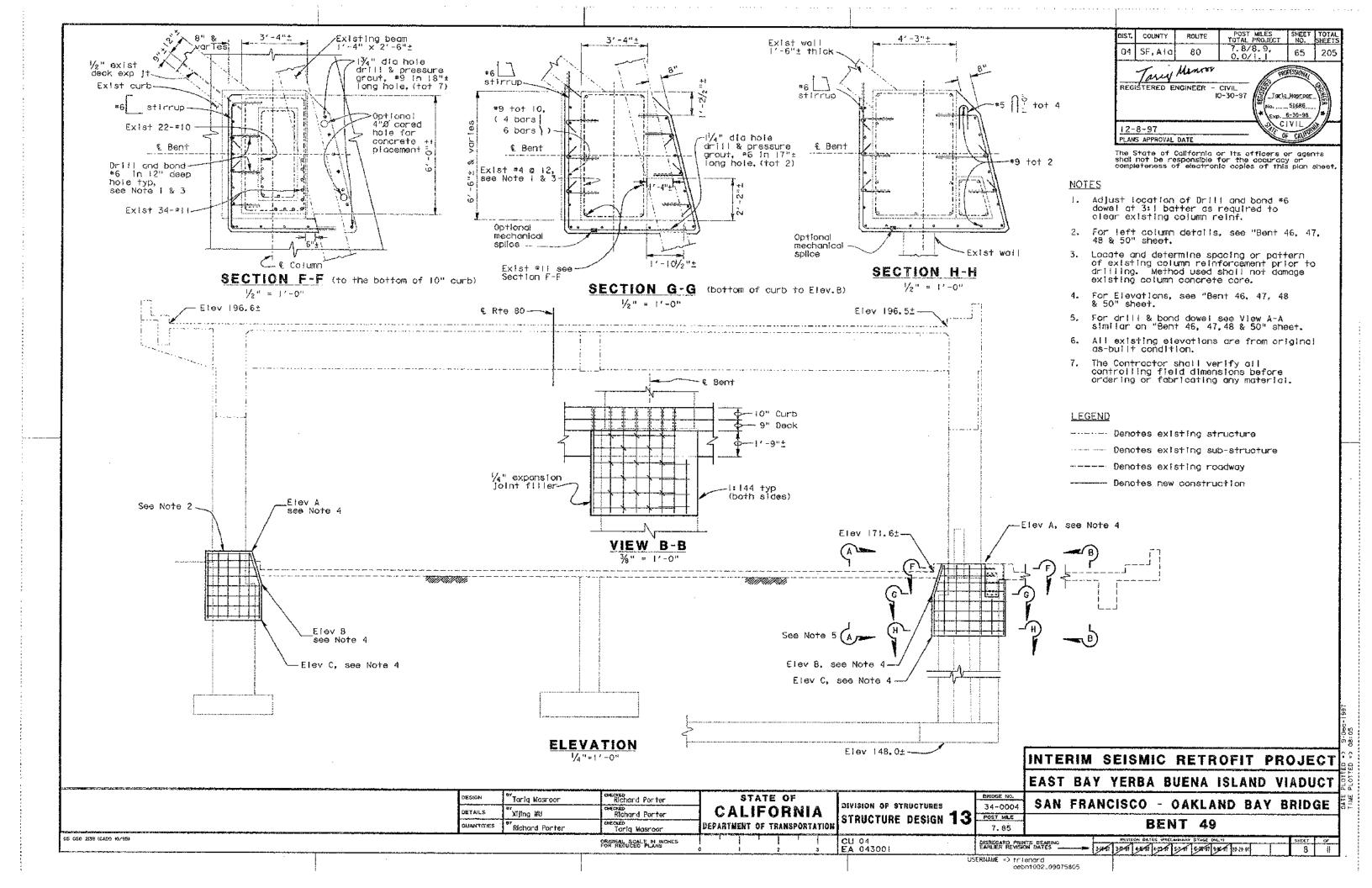


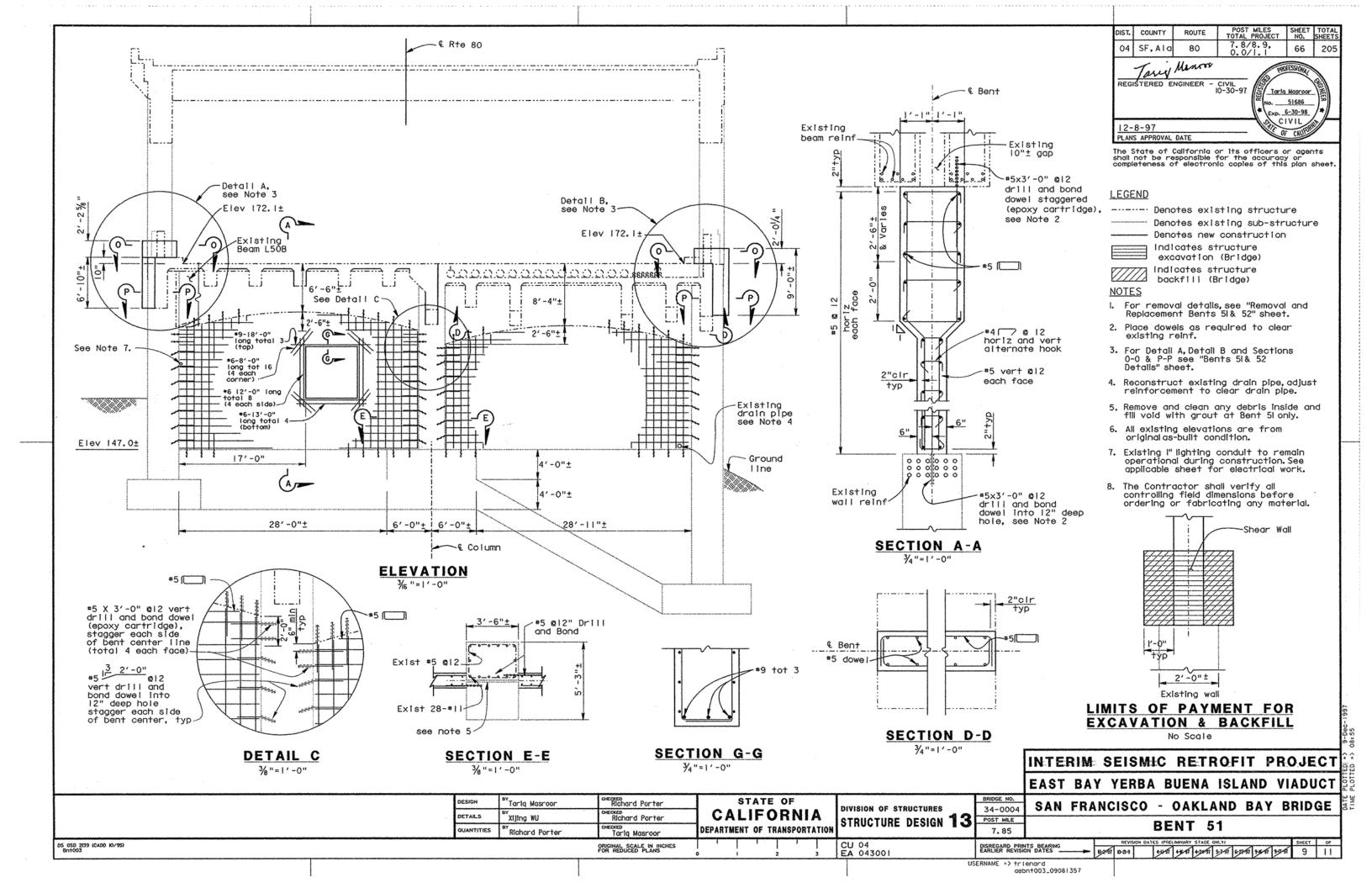


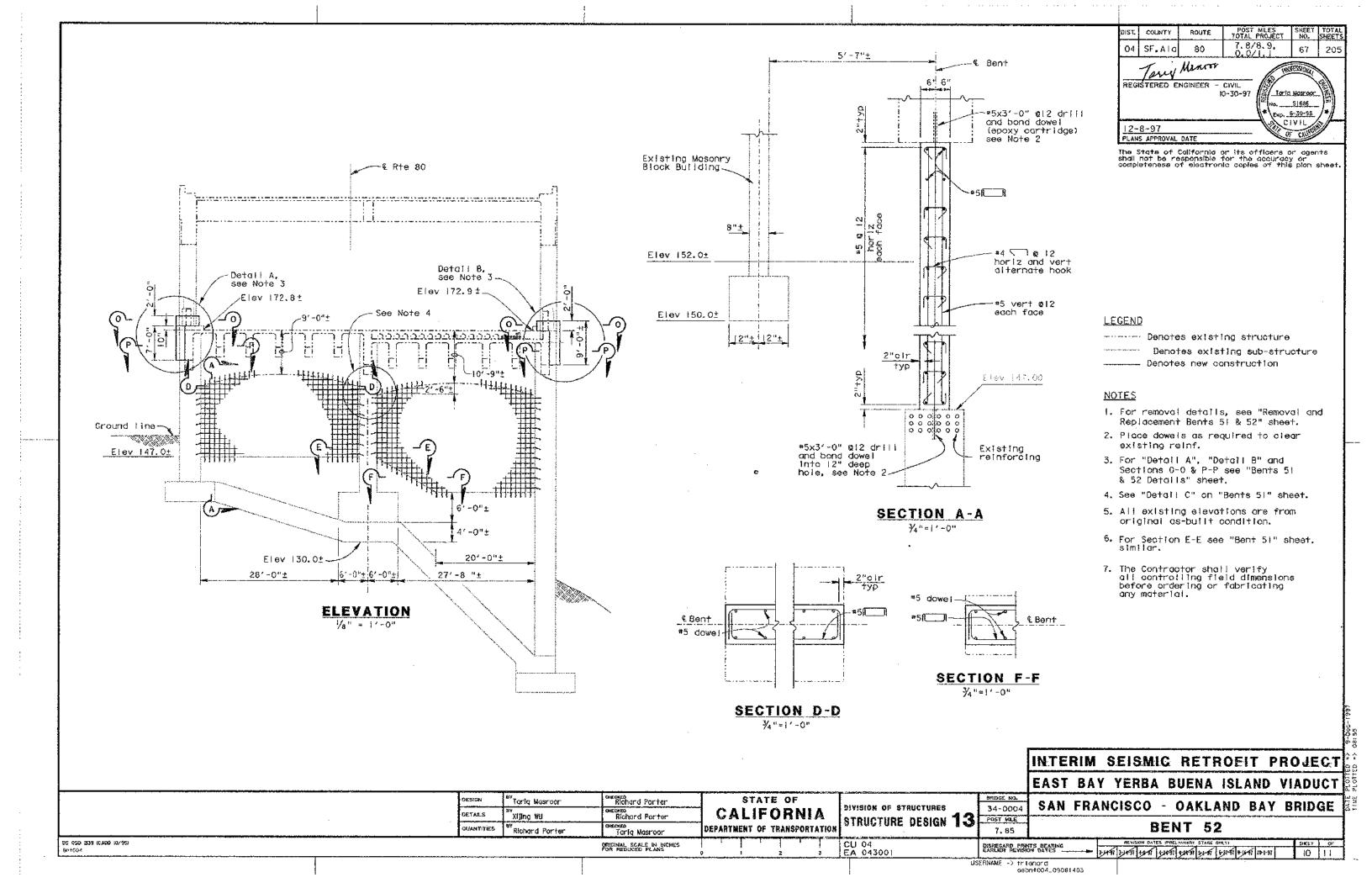


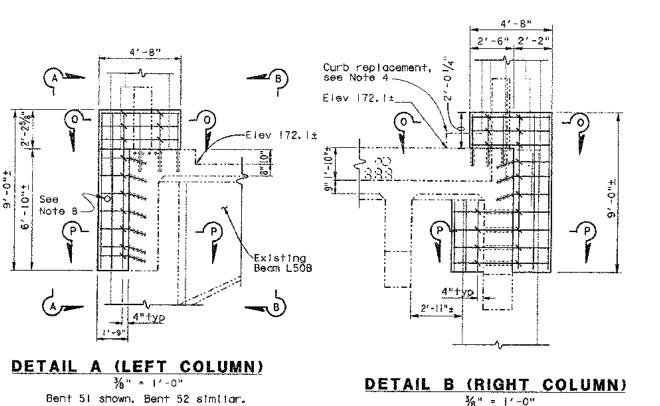
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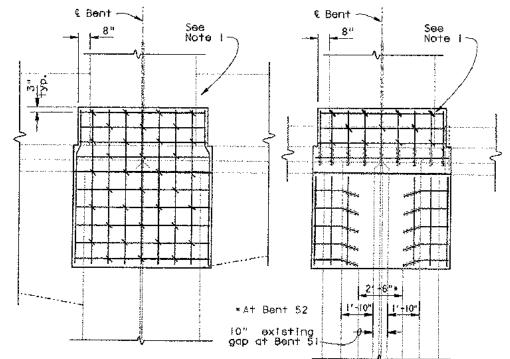






 $\frac{1}{2}$ " = 1'-0"

DS 050 253 (CADO 10/95)



VIEW A-A

3/8"=1'-0" Bent 51 shown. Bent 52 similar. VIEW B-B

3/8"=1'-0" Bent 51 shown, Bent 52 similar.

POST MILES TOTAL PROJECT COUNTY 7.8/8.9, 0.0/1.1 04 SF, Ala 68 205 80 Tariy Menor REGISTERED ENGINEER - CIVIL 10-30-97 Joria Masnoon 51686 Exp. 6-30-98 CIVIL 12-8-97 PLANS APPROVAL DATE

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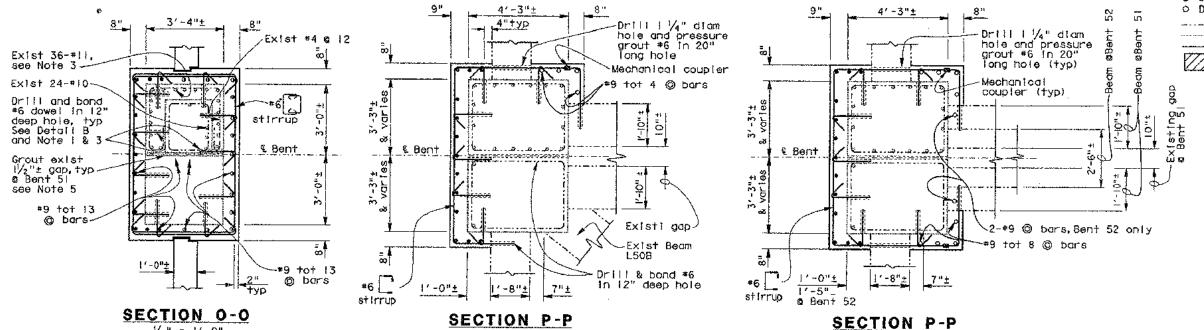
- Adjust location of Drill and bond *6 dowel at 3: | batter as required to clear existing column reinf.
- See "Removal and Replacement Bent 51 & 52" sheet.
- Locate and determine spacing of existing reinforcement prior to drilling holes. Method used shall not damage existing calumn concrete core.
- 4. For Detail A. Detail B and Sections 0-0 & P-P see "Bents 51 & 52 Details" sheet.
- Remove and clean any debris inside and fill void with grout at Bent 51 only.
- All existing elevations are from original as-built condition.
- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- 8. Existing $1\frac{1}{4}$ " lighting conduit at Bent 51 to remain operational during construction. See applicable sheet for electrical work.



- Denotes @ Bar
- Denotes Bar
- O Denotes @ Bar

_____ Denotes existing structure Denotes existing sub-structure Denotes new construction

Denotes limits of shear wall in-fill



INTERIM SEISMIC RETROFIT PROJECT EAST BAY YERBA BUENA ISLAND VIADUCT

Tarla Mascoor Richard Porter STATE OF BRIDGE NO. SAN FRANCISCO - OAKLAND BAY BRIDGE DIVISION OF STRUCTURES 34-0004 Richard Porter CALIFORNIA DETAILS XIJing WU STRUCTURE DESIGN 13 POST MILE DEPARTMENT OF TRANSPORTATION BENT 51 - 52 DETAILS QUANTITIES Richard Porter ecxeo Torlo Mosroor 7.85 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS CU 04 EA 043001 0-44-28 (0-54-38) 4-8-31 (450-24) 2-1-21 (250-24) 4-24-21 (175-24) DISREGARD PRINTS BEARING EARLISH REVISION DATES

1/2" = 1'-0"

USERNAME => trienord

1/2" = 1'-0"

Bent 51 Left only

Bent 51 shown, Bent 52 similar.

pebn#005_09101641

11 11